

**CROSS-OVER VOLTAGE LOCK  
FOR DIFFERENTIAL OUTPUT DRIVERS**

ABSTRACT

5           An apparatus comprising a first differential output driver to provide a single  
ended output voltage in response to an input voltage, a second differential output  
driver to provide a single ended output in response to the input voltage where the  
first output voltage and the second output voltage are representative of the positive  
and inverted input voltage. The apparatus also includes a feedback circuit to  
10   monitor the first and second output voltages and apply a bias voltage to at least one  
of the first and second output drivers to vary the point where the first and second  
output voltages cross-over as the input voltage changes from a first to a second  
level.

"Express Mail" mailing label number: EV 332568604 US  
Date of Deposit: June 30, 2003,

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